

IN THE CLAIMS:

1. (Currently Amended) A device for dispensing medical active ingredients, comprising a module with:

a coupling means for series connection with coupling means of a lower part of adjacent modules, said coupling means including a coupling part and a receiving part for receiving said coupling part of an adjacent module lower part;

5 a fluid interface connectable to a supply line leading to a patient;

a cartridge for receiving a medical active ingredient; and

a delivery means for delivering the medical active ingredient from said cartridge to said fluid interface, wherein the module comprises an upper part and a lower part forming an upper part holder accommodating said upper part, wherein said upper part accommodates said cartridge and comprises said delivery means and said fluid interface and said lower part comprises said coupling means with said coupling part at one side and said receiving part at another side.

10 2. (Canceled)

3. (Original) A device in accordance with claim 1, wherein said delivery means comprises a micropump.

4. (Currently Amended) A device in accordance with claim [[2]] 1, wherein said

cartridge has a code means for passing medical active ingredient information from said cartridge to said lower part.

5. (Original) A device in accordance with claim 1, wherein said cartridge comprises a disposable article detachably from the module.

6. (Currently Amended) A medical active ingredient dispensing system, comprising:  
a supply line leading to a patient;  
a module with a base part having a coupler including a first side coupler part and a second side coupler part for receiving and sending electricity and data for series connection  
5 with a base part having a coupler of another adjacent module, and a cartridge with a fluid interface connectable for connection to the supply line leading to the patient, said cartridge for receiving and holding a medical active ingredient and including a delivery device delivering the medical active ingredient from said cartridge to said fluid interface, said base part having a cartridge holding means for accommodating said cartridge and positioning said fluid interface  
10 relative to said base and the supply line; and

another module with a base part having a coupler including a first side coupler part and a second side coupler part for receiving and sending electricity and data for series connection with a base part having a coupler of another adjacent module, and a cartridge with a fluid interface connectable for connection to the supply line leading to the patient, said cartridge for receiving and holding a medical active ingredient and including a delivery device delivering  
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the medical active ingredient from said cartridge to said fluid interface, said base part of said another module having a cartridge holding means for accommodating said cartridge of said another module and positioning said fluid interface of said another module relative to said base of said another module and the supply line said module and said another module being coupled  
20 in series with one of said first side coupler part and second side coupler part of said module coupled with one of said first side coupler part and second side coupler part of said another module and with each of said module and said another module connected to said supply line.

7. (Canceled)

8. (Previously Presented) A system in accordance with claim 6, wherein said delivery device comprises a micropump.

9. (Previously Presented) A system in accordance with claim 6, wherein said cartridge  
5 has a code means for passing medical active ingredient information from said cartridge to said lower part.

10. (Previously Presented) A system in accordance with claim 9, wherein said delivery device receives delivery information associated with said medical active ingredient information with said delivery information being provided by a code reader for reading said code of said  
10 cartridge.

11. (Currently Amended) A system in accordance with claim 6, wherein said cartridge comprises a disposable article detachably connected to said from the base part of said module.

12. (Original) A system in accordance with claim 10, wherein said coupler includes pins and a receiving portion for coupling with pins of an adjacent module for electric and data coupling and mechanical connection.

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13. (Original) A system in accordance with claim 12, further comprising:  
an evaluating and control unit for processing data from connected modules and for receiving information stored on the code.

14. (Currently Amended) A medical active ingredient dispensing system, comprising:  
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a solution container;  
a pump;  
a supply line leading from said solution container to a patient connection location, said pump for feeding solution from said container to said patient connection location;

a first module base part comprising:  
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a first module supply line receiving portion, said first supply line extending through said first module supply line receiving portion;  
first module cartridge holding means for cartridge accommodation and  
for fluid interface positioning relative to said first module base and relative to

said supply line; and

30                   a first module coupler including a first module first side coupler part for receiving and sending electricity and a first module second side coupler part for receiving and sending electricity;

a first module cartridge with a shape for connecting to said first module base part via  
said first module cartridge holding means to position said first module cartridge relative to said  
35 first module base part, said first module cartridge defining a first medical active ingredient container with medical active ingredient therein and said first module cartridge comprising

a first module fluid interface for connecting to the supply line at said first module supply line receiving portion and

a first module delivery device delivering the medical active ingredient from said cartridge through said fluid interface to said supply line; [[and]]  
40 a second module base part comprising:

a second module supply line receiving portion, said second supply line extending through said second module supply line receiving portion;

second module cartridge holding means for cartridge accommodation  
45 and for fluid interface positioning relative to said second module base and  
relative to said supply line; and

a second module coupler including a second module first coupler part for receiving and sending electricity and a second module second side coupler part for receiving and sending electricity; and

50                   a second module cartridge with a shape for connecting to said second module base part  
via said second module cartridge holding means to position said second module cartridge  
relative to said second module base part, said second module cartridge defining a second  
medical active ingredient container with medical active ingredient therein and said second  
module cartridge comprising

55                   a second module fluid interface for connecting to the supply line at said  
second module supply line receiving portion and  
                      a second module delivery device delivering the medical active  
ingredient from said cartridge through said fluid interface to said supply line,  
wherein said first module coupler is connected to said second module coupler with one of said  
60                   first module first side coupler part and said first module second side coupler part [[is]]  
connected to one of said second module first side coupler part and said second module second  
side coupler part with each of said first module fluid interface and said second module fluid  
interface connected to said supply line.

15. (Previously Presented) A system in accordance with claim 14, further comprising:

a first code means with a code element on said first cartridge and a code interface at  
said first base part for passing medical active ingredient information, relating to the medical  
active ingredient in said first cartridge, from said first cartridge to said first base part;

5                   a second code means with a code element on said second cartridge and a code interface  
at said second base part for passing medical active ingredient information, relating to the

medical active ingredient in said second cartridge, from said second cartridge to said second base part; and

an evaluating and control unit for processing data from said first module and said second module and for receiving information stored on said first code means and said second code means and for controlling each of said first module delivery device and said second module delivery device, said evaluating and control unit being connected to said first base part and said second base part via one of said first module coupler and said second module coupler.

10 16. (Previously Presented) A system in accordance with claim 15, wherein each said delivery device comprises a micropump.

17. (Previously Presented) A system in accordance with claim 15, wherein each said cartridge comprises a disposable article detachably from each respective base part.

18. (Previously Presented) A system in accordance with claim 15, wherein said first module first side coupler part comprises pins and said first module second side coupler part comprises a receiving portion for coupling with pins and said second module first side coupler part comprises pins and said second module second side coupler part comprises a receiving portion for coupling with pins whereby a mechanical connection is provided by one of said first module first side coupler part and said first module second side coupler part being connected to one of said second module first coupler part and said second module second side coupler

part.

19. (Previously Presented) A system in accordance with claim 15, wherein each said base unit includes a guiding structure for positioning each fluid interface relative to said supply line with a cartridge connected to a respective said base unit.